# FEDERAL ITEM IDENTIFICATION GUIDE

## CRANES AND CRANE-SHOVELS

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Commander

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

# Contents

# GENERAL INFORMATION

1.  Purpose and Scope

   This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2.  Contents

   This FIIG is comprised of the following:

   Index of Approved Item Names Covered by this FIIG
   Applicability Key Index
   Section I - Item Characteristics Data Requirements
   Section III - New text that should be here.
   Appendix A - Reply Tables
   Appendix B - Reference Drawing Groups (as applicable)
   Appendix C - Technical Data Tables (as applicable)


   a. Index of Approved Item Names Covered by this FIIG:

   The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

   b. Applicability Key Index:

   The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

   (1) The letter "X" indicates the requirement must be answered for a full descriptive item.

   (2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

   (3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3.  Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

| MRC | Mode Code | Requirement | Example |
|-----|-----------|-------------|---------|
| CLQL | G | COLLOQUIAL NAME (common usage name by which an item is known) | CLQLGWOVEN WIRE CLOTH* |

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5.  Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6.  Maintenance

Requests for revisions and other changes will be directed to:

# MRC Index

# INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

| Approved Item Name | INC | App Key |
|---|---|---|

Crane

1. A machine for raising and lowering heavy weights and, while holding them suspended, transporting them through a limited lateral distance. The item may be manually or power operated and either fixed or mobile.

2. An apparatus consisting of a projecting arm, boom, or A-frame, operated in conjunction with a hook(s) or sling(s), either stationary or moving in a vertical and/or horizontal arc. Operating power is furnished from an outside source, such as a tractor or truck on which the item may be mounted. Excludes unmounted cranes. See also Crane-Shovel and Derrick.

| CRANE (1), BASIC UNIT, CRAWLER MOUNTED | 20164 | AD |
|---|---|---|

A crane, complete except for front end attachments, which derives its motive power from the crane power unit. It is generally used for dragline, clamshell, pile-driving and lifting operations; but is not convertible to any of the following operations: shovel-front, backhoe, pullshovel, or skimmer. See also CRANE, CRAWLER MOUNTED.

| CRANE (1), BASIC UNIT, TRUCK MOUNTED | 20447 | AE |
|---|---|---|

A crane, complete except for front end attachments. It is generally used for dragline, clamshell, pile driving and lifting operations but is not convertible to any of the following operations: shovel-front, backhoe, pullshovel, or skimmer. See also CRANE, TRUCK MOUNTED.

| CRANE (1), BASIC UNIT, WHEEL MOUNTED | 24400 | AF |
|---|---|---|

A crane, complete except for front end attachments. It is mounted on a wheeled carriage chassis which may derive its mobile power from the crane power unit or from an independent power unit. Not convertible to shovel front, backhoe, or skimmer operations. See also CRANE, WHEEL MOUNTED.

| CRANE (1), CRAWLER MOUNTED | 03150 | AA |
|---|---|---|

A crane, complete with crane boom and attachments, mounted on a crawler chassis, which may derive its mobile power from the crane power unit or from an independent power unit. It is not convertible to digging operations. Excludes cranes mounted on a full tracked tractor.

| CRANE (1), FLOOR, PORTABLE | 10232 | BA |
|---|---|---|

A boom type or trestle type crane mounted on wheels and/or casters, manually propelled and equipped with an integral power or manually operated hoisting mechanism. It is used for lifting, loading and stacking materials.

| Approved Item Name | INC | App Key |
|---|---|---|
| CRANE (1), GANTRY REVOLVING | 03130 | CA |

A crane in which the hoisting apparatus is located in the crane cab with the hoisting lines running over a boom to ground level. The crane is supported by a structural gantry-type framework of variable height which may be stationary or mobile mounted. The gantry is generally constructed to provide a portal clearance for vehicles operating under the crane.

Crane-Shovel

1. A convertible type, power operated machine designed to utilize a shovelfront, a skimmer or backhoe attachment for excavation work, and a crane boom with attachments, such as clamshell, hook, dragline, or pile-driver.

| CRANE-SHOVEL (1) BASIC UNIT, CRAWLER MOUNTED | 06180 | AK |
|---|---|---|

A crane-shovel mounted on a crawler-mounted chassis, complete except for front attachments.

| CRANE-SHOVEL (1) BASIC UNIT, TRUCK MOUNTED | 16507 | AL |
|---|---|---|

A crane-shovel mounted on a truck-chassis complete except for front attachments.

| CRANE-SHOVEL (1), CRAWLER MOUNTED | 06178 | AG |
|---|---|---|

A crane-shovel complete with a crane boom and/or shovel attachments, mounted on a crawler-chassis which may derive its mobile power from the crane power unit or from an independent power unit. When equipped with an independent power unit, the crane-shovel has only one operator's cab in which are located all crane-shovel operating controls together with controls for the carrier operation.

| CRANE-SHOVEL (1), TRUCK MOUNTED | 16500 | AH |
|---|---|---|

A crane-shovel complete with a crane boom and/or shovel attachments mounted on a truck chassis. Excludes CRANE-SHOVEL, WHEEL MOUNTED.

| CRANE-SHOVEL (1), WHEEL MOUNTED | 16499 | AJ |
|---|---|---|

A crane-shovel complete with a crane boom and/or shovel attachments, mounted on a wheeled carriage chassis which may derive its mobile power from the crane power unit or from an independent power unit. When equipped with an independent power unit the crane-shovel has only one operator's cab in which are located all crane-shovel operating controls together with controls for the carrier operation. Excludes CRANE TRUCK, WAREHOUSE and CRANE-SHOVEL, TRUCK MOUNTED.

| CRANE (2), TRACTOR MOUNTING | 23014 | EA |
|---|---|---|

A crane which is designed to be mounted either on the front, center, or rear of a wheeled or tracklaying tractor.

| Approved Item Name | INC | App Key |
|---|---|---|
| CRANE (1), TRUCK MOUNTED | 22758 | AB |

A crane, consisting of a full revolving superstructure complete with boom and mounted on a heavy duty, self-propelled truck or truck chassis suitable for highway travel. It is primarily designed for weight lifting operations. The crane is self-powered or may derive its mobile power from the power unit of the truck chassis in connection with a hydraulic system. The crane is not convertible to shovel or backhoe operations. For truck mounted cranes convertible to shovel and backhoe operations in addition to performing weight lifting operations, see CRANE-SHOVEL, TRUCK MOUNTED. For items specifically designed for the recovery of disabled vehicles and equipment, see TRUCK, WRECKER.

| | | |
|---|---|---|
| CRANE (2), TRUCK MOUNTING | 06330 | EA |
| CRANE TRUCK, WAREHOUSE | 03231 | DA |

A crane which is a compact unit with a short turning radius, primarily designed for use in confined areas.

| | | |
|---|---|---|
| CRANE (1), WHEEL MOUNTED | 22759 | AC |

A crane complete with crane boom and attachments mounted on a wheeled carriage chassis which may derive its mobile power from the crane power unit or from an independent power unit. Not convertible to shovel front, backhoe, or skimmer operations. Excludes truck mounted cranes, cranes mounted on a wheeled tractor, and warehouse crane trucks.

# APPLICABILITY KEY INDEX

| | AA | AB | AC | AD | AE | AF | AG | AH | AJ | AK |
|---|---|---|---|---|---|---|---|---|---|---|
| NAME | X | X | X | X | X | X | X | X | X | X |
| CGTX | X | X | X | X | X | X | X | X | X | X |
| CGTY | X | X | X | X | X | X | X | X | X | X |
| CGTZ | X | X | X | X | X | X | X | X | X | X |
| CGWB | X | X | X | | | | X | X | | |
| CGWC | | | | | | | X | X | X | X |
| CGTW | | | | | | | X | X | X | X |
| CMMJ | X | X | X | | | | X | X | X | |
| CGWD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| NMBR | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AQGA | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AQGB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AKDJ | X | X | AR | | AR | AR | AR | AR | AR | |
| AYMY | AR | AR | AR | | AR | AR | AR | AR | AR | |
| ATJL | AR | AR | AR | | AR | AR | AR | AR | AR | |
| AYHQ | AR | AR | AR | | AR | AR | AR | AR | AR | |
| BKXM | X | X | X | X | X | X | X | X | X | X |
| CGWF | X | X | X | | | | X | X | X | |
| ASZH | X | X | X | | | | X | X | X | |
| CGWG | X | X | X | | | | X | X | X | |
| CGWH | X | X | X | | | | X | X | X | |
| CGWJ | AR | AR | AR | | | | AR | AR | AR | |
| CGWK | AR | AR | AR | | | | AR | AR | AR | |
| AZBT | | X | X | | | | | X | X | |
| AGDH | | | | | X | X | | | | |
| AGDJ | | | | | X | X | | | | |
| CGWL | | X | X | | | | | X | X | |
| CGWM | | AR | AR | | | | | AR | AR | |
| AGDQ | | X | X | | X | X | | X | X | |
| CHWN | X | | | X | | | X | | | X |
| CHWP | X | | | X | | | X | | | X |
| CHWQ | X | | | | | | X | | | X |
| CHWR | | | | | | | X | X | X | |
| ASZC | | | | | | | AR | AR | AR | |
| CHWS | | | | | | | AR | AR | AR | |
| CHWT | | | | | | | AR | AR | AR | |
| CHWW | | | | | | | AR | AR | AR | |
| CHWX | | | | | | | AR | AR | AR | |
| CHWY | | | | | | | AR | AR | AR | |
| CHWZ | | | | | | | X | X | X | |
| CHXB | | | | | | | AR | AR | AR | |
| CHXC | | | | | | | AR | AR | AR | |
| CHXD | | | | | | | AR | AR | AR | |
| CHXF | | | | | | | AR | AR | AR | |
| CHHP | X | X | X | | X | X | X | X | X | |
| APHE | AR | AR | AR | | AR | AR | AR | AR | AR | |
| CHXG | X | X | X | | | | X | X | X | |
| ASFH | AR | AR | AR | | | | AR | AR | AR | |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|----|----|----|----|----|----|----|----|----|----|
| CNXQ | AR | AR | AR | | | | AR | AR | AR | |
| CHXH | AR | AR | AR | | | | AR | AR | AR | |
| CHXJ | AR | AR | AR | | | | AR | AR | AR | |
| CHXK | X | X | X | | | | X | X | X | |
| CHXL | | | | AR | AR | AR | | | | AR |
| ABJL | | | | AR | AR | AR | | | | AR |
| AKYN | AR | AR | AR | | | | AR | AR | AR | AR |
| FEAT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRTL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRPY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELRN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELCD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBME | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PKWT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SUPP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| FCLS | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| FTLD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TMDN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| RTSE | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| RDAL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| NTRD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AGAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

| | AL |
|------|-----|
| NAME | X |
| CGTX | X |
| CGTY | X |
| CGTZ | X |
| CGWC | X |
| CGTW | X |
| CGWD | AR |
| NMBR | AR |
| AQGA | AR |
| AQGB | AR |
| AKDJ | X |
| AYMY | AR |
| ATJL | AR |
| AYHQ | AR |
| BKXM | X |
| AGDH | X |
| AGDJ | X |
| AGDQ | X |
| CHHP | X |
| APHE | AR |
| AKYN | AR |
| FEAT | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| CBME | AR |
| PKWT | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| AGAV | AR |

|        | BA |
|--------|----|
| NAME   | X  |
| CGTX   | X  |
| APGF   | X  |
| CHXM   | AR |
| ASZH   | AR |
| ATXS   | AR |
| ATEM   | AR |
| CHXN   | AR |
| CHXP   | AR |
| AGDC   | X  |
| BKXM   | AR |
| CHXQ   | AR |
| APHE   | X  |
| ACDC   | AR |
| ELEC   | AR |
| FREQ   | AR |
| FAAZ   | AR |
| CHXR   | X  |
| CHQR   | X  |
| ABMK   | X  |
| CHXS   | X  |
| ADJT   | AR |
| ADJU   | AR |
| AGBP   | X  |
| FEAT   | AR |
| ZZZK   | AR |
| ZZZT   | AR |
| ZZZW   | AR |
| ZZZX   | AR |
| ZZZY   | AR |
| CRTL   | AR |
| PRPY   | AR |
| ELRN   | AR |
| ELCD   | AR |
| CBME   | AR |
| PKWT   | AR |
| SUPP   | AR |
| FCLS   | AR |
| FTLD   | AR |
| TMDN   | AR |
| RTSE   | AR |
| RDAL   | AR |
| NTRD   | AR |
| ZZZV   | AR |
| AGAV   | AR |

|        | CA |
|--------|----|
| NAME   | X  |
| AYXK   | X  |
| AMKG   | X  |
| CHXX   | AR |
| AZKJ   | AR |
| ELEC   | AR |
| FREQ   | AR |
| FAAZ   | AR |
| CGWF   | X  |
| CGWK   | AR |
| CHXY   | X  |
| ASZF   | X  |
| ATCY   | X  |
| AAXX   | X  |
| BCNX   | X  |
| ALKN   | AR |
| CHXZ   | AR |
| CHYB   | X  |
| CHYC   | AR |
| CHYD   | X  |
| AKYD   | AR |
| CHYF   | X  |
| FEAT   | AR |
| ZZZK   | AR |
| ZZZT   | AR |
| ZZZW   | AR |
| ZZZX   | AR |
| ZZZY   | AR |
| CRTL   | AR |
| PRPY   | AR |
| ELRN   | AR |
| ELCD   | AR |
| CBME   | AR |
| PKWT   | AR |
| SUPP   | AR |
| FCLS   | AR |
| FTLD   | AR |
| TMDN   | AR |
| RTSE   | AR |
| RDAL   | AR |
| NTRD   | AR |
| ZZZV   | AR |
| AGAV   | AR |

| | DA |
|------|----|
| NAME | X |
| AYXK | X |
| AMKG | X |
| ALRE | X |
| CHXM | X |
| ASZH | X |
| ATXS | AR |
| ATEM | AR |
| CHYG | X |
| AKYD | AR |
| FEAT | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| CBME | AR |
| PKWT | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| AGAV | AR |

|  | EA |
|------|----|
| NAME | X |
| APGF | X |
| AAXX | X |
| ASZH | X |
| ABHP | AR |
| ATEM | AR |
| CHYH | X |
| CHYJ | X |
| CHYK | X |
| CHYL | X |
| CHYM | X |
| CJGN | X |
| CJGP | X |
| CJGQ | X |
| AKYD | X |
| FEAT | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ELRN | AR |
| ELCD | AR |
| CBME | AR |
| PKWT | AR |
| SUPP | AR |
| FCLS | AR |
| FTLD | AR |
| TMDN | AR |
| RTSE | AR |
| RDAL | AR |
| NTRD | AR |
| ZZZV | AR |
| AGAV | AR |

# Body

**SECTION: A**
APP

| Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL

|  | NAME | D | ITEM NAME |
|---|---|---|---|

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED22758*)

ALL

|  | CGTX | J | MAXIMUM LIFTING CAPACITY |
|---|---|---|---|

Definition: THE MAXIMUM WEIGHT THAT THE ITEM IS DESIGNED TO LIFT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CGTXJBY20.0*)

| REPLY CODE | REPLY (AG67) |
|---|---|
| BX | METRIC TONS |
| BY | TONS |

ALL

|  | CGTY | J | BOOM LENGTH AT WHICH LIFTING CAPACITY IS RATED |
|---|---|---|---|

Definition: A MEASUREMENT OF THE BOOM LENGTH AT WHICH THE LIFTING CAPACITY IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CGTYJFA40.000*; CGTYJMA30.0*; CGTYJFB30.000$$JFC32.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

19

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| | | | |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CGTZ       J       BOOM RADIUS AT WHICH LIFTING CAPACITY IS RATED

Definition: A MEASUREMENT OF THE BOOM RADIUS AT WHICH THE LIFTING CAPACITY IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CGTZJFA15.000*; CGTZJMA15.0*; CGTZJFB10.000$$JFC12.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

AA, AB, AC, AG, AH

CGWB       D       OUTRIGGER POSITION AT WHICH LIFTING CAPACITY IS RATED

Definition: AN INDICATION OF THE OUTRIGGER POSITION AT WHICH THE LIFTING CAPACITY IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGWBDH*; CGWBDH$DJ*)

| REPLY CODE | REPLY (AB00) |
|------------|--------------|
| J | NOT SET |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
|         | H   |           | SET          |

AG, AH, AJ, AK, AL

    CGWC        J        BACKHOE MAXIMUM CAPACITY

Definition: THE MAXIMUM CAPACITY OF THE BACKHOE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CGWCJDR0.625*; CGWCJLD0.6*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CGWCKN*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| LD | CUBIC METERS |
| DR | CUBIC YARDS |

AG, AH, AJ, AK, AL

    CGTW        J        SHOVEL MAXIMUM CAPACITY

Definition: THE MAXIMUM CAPACITY OF THE SHOVEL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CGTWJDR0.750; CGTWJLD0.6*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., CGTWKN*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| LD | CUBIC METERS |
| DR | CUBIC YARDS |

AA, AB, AC, AG, AH, AJ

    CMMJ        D        OPERATING POWER TYPE

Definition: INDICATES THE TYPE OF POWER USED TO OPERATE THE ITEM.

APP
Key    MRC        Mode Code    Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CMMJDFA*; CMMJDFA$$DCB*; CMMJDFA$DFB*)

| REPLY CODE | REPLY (AH83) |
|---|---|
| A | ANY ACCEPTABLE |
| EC | ELECTRIC |
| FB | ELECTROHYDRAULIC |
| BZ | ELECTROMECHANICAL |
| FA | HYDRAULIC |
| CB | MECHANICAL |

ALL*

CGWD      D      CRANE ENGINE TYPE

Definition: INDICATES THE TYPE OF CRANE ENGINE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGWDDDP*; CGWDDDP$$DCH*; CGWDDDP$DCH*)

| REPLY CODE | REPLY (AG27) |
|---|---|
| DP | DIESEL |
| AF | GAS TURBINE |
| CH | GASOLINE |

NOTE FOR MRCS NMBR, AQGA, AND AQGB: REPLY TO THESE MRCS IF A REPLY IS ENTERED FOR MRC CGWD.

ALL* (See Note Above)

NMBR      A      QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2*)

ALL* (See Note Preceding MRC NMBR)

AQGA      G      MANUFACTURER NAME

Definition: THE NAME OF THE MANUFACTURER.

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Reply Instructions: Enter the reply in clear text. (e.g., AQGAGBUDA CO.*)

ALL* (See Note Preceding MRC NMBR)

> AQGB      A      MANUFACTURER IDENTIFYING NUMBER
>
> Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ITEM.
>
> Reply Instructions: Enter the number. (e.g., AQGBAMODEL NO. 36*)

AA, AB, AC*, AE*, AF*, AG*, AH*, AJ*, AL

> AKDJ      D      PRIME MOVER TYPE
>
> Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH UNIT.
>
> Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAF*; AKDJDAC$DAE*)

| REPLY CODE | REPLY (AG27) |
|------------|--------------|
| A | ANY ACCEPTABLE |
| AC | DIESEL ENGINE |
| AF | GAS TURBINE |
| AE | GASOLINE ENGINE |

NOTE FOR MRCS AYMY, ATJL, AND AYHQ: IF OTHER THAN REPLY CODE A IS ENTERED FOR MRC AKDJ, REPLY TO MRCS AYMY, ATJL, AND AYHQ.

AA*, AB*, AC*, AE*, AF*, AG*, AH*, AJ*, AL* (See Note Above)

> AYMY      A      ENGINE QUANTITY
>
> Definition: THE NUMBER OF ENGINES PROVIDED.
>
> Reply Instructions: Enter the quantity. (e.g., AYMYA3*)

AA*, AB*, AC*, AE*, AF*, AG*, AH*, AJ*, AL*(See Note Preceding MRC AYMY)

> ATJL      G      ENGINE MANUFACTURER NAME
>
> Definition: THE NAME OF THE MANUFACTURER OF THE ENGINE FURNISHED.

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Reply Instructions: Enter the reply in clear text. (e.g., ATJLGBUDA CO.*)

AA*, AB*, AC*, AE*, AF*, AG*, AH*, AJ*, AL*(See Note Preceding MRC AYMY)

| | AYHQ | G | ENGINE MANUFACTURER IDENTIFYING NUMBER |
|---|------|---|------|

Definition: THE NUMBER USED BY THE MANUFACTURER FOR IDENTIFYING THE ENGINE.

Reply Instructions: Enter the reply in clear text. (e.g., AYHQGMODEL NO. 304*)

ALL

| | BKXM | A | DRUM QUANTITY |
|---|------|---|------|

Definition: THE NUMBER OF DRUM(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BKXMA3*)

AA, AB, AC, AG, AH, AJ

| | CGWF | J | BOOM OVERALL LENGTH |
|---|------|---|------|

Definition: THE LONGEST DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE BOOM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, including extensions. (e.g., CGWFJFA50.000*; CGWFJMA40.0*; CGWFJFB36.000$$JFC40.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

AA, AB, AC, AG, AH, AJ

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| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| | ASZH | D | BOOM DESIGN |

Definition: THE DESIGN OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZHDAD*; ASZHDAD$DAY*)

| REPLY CODE | REPLY (AH47) |
|------------|--------------|
| AY | NONTELESCOPING |
| AD | TELESCOPING |

AA, AB, AC, AG, AH, AJ

| | CGWG | B | BOOM MAXIMUM ANGLE IN DEG |
|---|------|---|---------------------------|

Definition: THE MAXIMUM BOOM ANGLE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CGWGB60.0*)

AA, AB, AC, AG, AH, AJ

| | CGWH | D | BOOM CONTINUOUS ROTATION FEATURE |
|---|------|---|----------------------------------|

Definition: AN INDICATION OF WHETHER OR NOT A FEATURE THAT PERMITS CONTINUOUS ROTATION OF THE BOOM IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGWHDB*; CGWHDB$DC*)

| REPLY CODE | REPLY (AA49) |
|------------|--------------|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRC CGWJ: IF REPLY CODE C IS ENTERED FOR MRC CGWH, REPLY TO MRC CGWJ.

AA*, AB*, AC*, AG*, AH*, AJ* (See Note Above)

| | CGWJ | B | BOOM MAXIMUM ROTATION IN DEG |
|---|------|---|------------------------------|

Definition: THE MAXIMUM BOOM ROTATION, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., CGWJB720.0*)

APP
Key    MRC            Mode Code     Requirements

---

**AA\*, AB\*, AC\*, AG\*, AH\*, AJ\***

CGWK          D               BOOM EXTENSION TYPE

Definition: INDICATES THE TYPE OF BOOM EXTENSION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGWKDBPD*; CGWKDBPE$$DBPF*; CGWKDBPF$DCBA*)

| REPLY CODE | REPLY (AK95) |
|---|---|
| A | ANY ACCEPTABLE |
| BPD | GOOSENECK |
| BPE | MIDDLE BOOM |
| BPF | STRAIGHT JIB |
| CBA | STRAIGHT 3 SECTION |
| BPG | TELESCOPIC |

**AB, AC, AH, AJ**

AZBT           L               WHEEL ARRANGEMENT STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE ARRANGEMENT OF THE WHEEL(S).

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., AZBTL25*)

**AE, AF, AL**

AGDH          A               WHEEL QUANTITY

Definition: THE NUMBER OF WHEELS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGDHA6*)

**AE, AF, AL**

AGDJ          A               DRIVE WHEEL QUANTITY

Definition: THE NUMBER OF DRIVE WHEELS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGDJA4*)

**AB, AC, AH, AJ**

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| | CGWL | A | REAR DRIVE WHEEL QUANTITY |

Definition: THE NUMBER OF REAR DRIVE WHEELS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., CGWLA2*)

AB*, AC*, AH*, AJ*

| | CGWM | A | FRONT DRIVE WHEEL QUANTITY |

Definition: THE NUMBER OF FRONT DRIVE WHEELS PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., CGWMA4*)

AB, AC, AE, AF, AH, AJ, AL

| | AGDQ | A | STEERABLE WHEEL QUANTITY |

Definition: THE NUMBER OF STEERABLE WHEELS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGDQA2*)

AA, AD, AG, AK

| | CHWN | J | CRAWLER BASE OVERALL LENGTH |

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE CRAWLER BASE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHWNJFA12.500*; CHWNJMA12.5*; CHWNJFB14.500$$JFC15.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
|         |     | C         | MAXIMUM      |

AA, AD, AG, AK

CHWP          J          CRAWLER BASE OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE CRAWLER BASE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHWPJFA7.666*; CHWPJMA12.5*; CHWPJFB10.000$$JFC10.250*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F          | FEET         |
| M          | METERS       |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A          | NOMINAL      |
| B          | MINIMUM      |
| C          | MAXIMUM      |

AA, AG, AK

CHWQ          J          CRAWLER TRACK SHOE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE CRAWLER TRACK SHOE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHWQJAA24.000*; CHWQJLA23.0*; CHWQJAB28.000$$JAC30.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| A          | INCHES       |
| L          | MILLIMETERS  |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A          | NOMINAL      |

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| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| | | B | MINIMUM |
| | | C | MAXIMUM |

AG, AH, AJ

CHWR      D      SHOVEL ATTACHMENT

Definition: AN INDICATION OF WHETHER OR NOT A SHOVEL ATTACHMENT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHWRDB*; CHWRDB$DC*)

| REPLY CODE | REPLY (AA49) |
|------------|--------------|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS ASZC, CHWS, CHWT, CHWW, CHWX, AND CHWY: IF REPLY CODE B IS ENTERED FOR MRC CHWR, REPLY TO MRCS ASZC, CHWS, CHWT, CHWW, CHWX, AND CHWY.

AG*, AH*, AJ* (See Note Above)

ASZC      D      CROWD CONTROL METHOD

Definition: THE MEANS BY WHICH THE CROWD IS CONTROLLED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZCDAD*; ASZCDAD$$DAH*; ASZCDAC$DAD*)

| REPLY CODE | REPLY (AF37) |
|------------|--------------|
| AC | CABLE |
| AD | CHAIN |
| AH | WIRE ROPE |

AG*, AH*, AJ*

CHWS      J      MAXIMUM DUMPING HEIGHT

Definition: THE MAXIMUM MEASUREMENT OF THE DUMPING HEIGHT OF THE ITEM.

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHWSJF14.500*; CHWSJM14.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC ASZC)

CHWT　　　　　J　　　　　MAXIMUM DUMPING RADIUS

Definition: THE MAXIMUM MEASUREMENT OF THE DUMPING RADIUS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHWTJF20.500*; CHWTJM20.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC ASZC)

CHWW　　　　　J　　　　　MAXIMUM DIGGING HEIGHT

Definition: THE MAXIMUM MEASUREMENT OF THE DIGGING HEIGHT OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHWWJF18.250*; CHWWJM18.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC ASZC)

CHWX　　　　　J　　　　　MAXIMUM DIGGING RADIUS

Definition: THE MAXIMUM MEASUREMENT OF THE DIGGING RADIUS OF THE ITEM.

APP
Key      MRC             Mode Code    Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHWXJF20.750*; CHWXJM20.7*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC ASZC)

CHWY          J               BELOW FLOOR LEVEL, MAXIMUM, CUT

Definition: THE MAXIMUM MEASUREMENT OF THE CUT BELOW FLOOR LEVEL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHWYJF5.333*; CHWYJM5.3*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

AG, AH, AJ

CHWZ          D               BACKHOE

Definition: AN INDICATION OF WHETHER OR NOT A BACKHOE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHWZDB*; CHWZDB$DC*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS CHXB, CHXC, CHXD, AND CHXF: IF REPLY CODE B IS ENTERED FOR MRC CHWZ, REPLY TO MRCS CHXB, CHXC, CHXD, AND CHXF.

AG*, AH*, AJ* (See Note Above)

CHXB          J               BACKHOE MAXIMUM DIGGING DEPTH

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Definition: THE MAXIMUM MEASUREMENT OF THE DIGGING DEPTH OF THE BACKHOE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXBJF10.750*; CHXBJM10.7*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC CHXB)

| CHXC | J | BACKHOE MAXIMUM DIGGING RADIUS |
|------|---|-------------------------------|

Definition: THE MAXIMUM MEASUREMENT OF THE DIGGING RADIUS OF THE BACKHOE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHXCJF15.666*; CHXCJM15.7*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC CHXB)

| CHXD | J | BACKHOE MAXIMUM DUMPING HEIGHT |
|------|---|-------------------------------|

Definition: THE MAXIMUM MEASUREMENT OF THE DUMPING HEIGHT OF THE BACKHOE.

Reply Instructions: Enter the applicable Reply Code from the table, followed by the numeric value. (e.g., CHXDJF14.167*; CHXDJM14.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AG*, AH*, AJ* (See Note Preceding MRC CHXB)

| CHXF | J | BACKHOE MAXIMUM DUMPING RADIUS |
|------|---|-------------------------------|

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

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Definition: THE MAXIMUM MEASUREMENT OF THE DUMPING RADIUS OF THE BACKHOE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHXFJF19.583*; CHXFJM19.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

AA, AB, AC, AE, AF, AG, AH, AJ, AL

CHHP            D            OUTRIGGERS

Definition: AN INDICATION OF WHETHER OR NOT OUTRIGGERS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHHPDB*; CHHPDB$DC*)

| REPLY CODE | REPLY (AA49) |
|------------|--------------|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRC APHE: FOR APPLICABILITY KEYS AA, AB, AC, AG, AH, AND AJ, IF REPLY CODE B IS ENTERED FOR MRC CHHP, REPLY TO MRC APHE.

AA*, AB*, AC*, AE*, AF*, AG*, AH*, AJ*, AL* (See Note Above)

APHE            D            OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAAAF*; APHEDAAAF$DAABG*)

| REPLY CODE | REPLY (AC58) |
|------------|--------------|
| AAAF | MANUAL |
| AABG | POWER |

AA, AB, AC, AG, AH, AJ

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| | CHXG | D | PILE DRIVER |

Definition: AN INDICATION OF WHETHER OR NOT PILE DRIVER IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXGDB*)

| REPLY CODE | REPLY (AA49) |
|------------|--------------|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS ASFH, CNXQ, CHXH, AND CHXJ: IF REPLY CODE B IS ENTERED FOR MRC CHXG, REPLY TO MRCS ASFH, CNXQ, CHXH, AND CHXJ.

AA*, AB*, AC*, AG*, AH*, AJ* (See Note Above)

| | ASFH | J | LEAD LENGTH |
|---|------|---|-------------|

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A LEAD, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASFHJFA25.000*; ASFHJMA30.0*; ASFHJFB30.000$$JFC32.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

AA*, AB*, AC*, AG*, AH*, AJ* (See Note Preceding MRC ASFH)

| | CNXQ | J | BOOM LENGTH |
|---|------|---|-------------|

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

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Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BOOM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CNXQJFA25.000*; CNXQJMA25.0*; CNXQJFB55.000$$JFC58.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

AA*, AB*, AC*, AG*, AH*, AJ* (See Note Preceding MRC ASFH)

CHXH        J        HAMMER WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF THE HAMMER WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHXHJASA1800.0*; CHXHJAJA2300.0*; CHXHJASB2300.0$$JASC2500.0*)

Table 1

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

AA*, AB*, AC*, AG*, AH*, AJ* (See Note Preceding MRC ASFH)

CHXJ        J        MAXIMUM PILE DIAMETER

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

ACCOMMODATED

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ACCOMMODATION FOR A PILE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHXJJA16.000*; CHXJJL18.0*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| A | INCHES |
| L | MILLIMETERS |

AA, AB, AC, AG, AH, AJ

    CHXK        D        CRANE OPERATOR CAB

Definition: AN INDICATION OF WHETHER OR NOT A CRANE OPERATOR(S) CAB IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXKDB*; CHXKDB$DC*)

| REPLY CODE | REPLY (AA49) |
|------------|--------------|
| B | INCLUDED |
| C | NOT INCLUDED |

AD*, AE*, AF*, AK*

    CHXL        D        LIGHTING SYSTEM TYPE

Definition: INDICATES THE TYPE OF LIGHTING SYSTEM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXLDCFQ*)

| REPLY CODE | REPLY (AK54) |
|------------|--------------|
| BDQ | AUTOMATIC |
| CFQ | AUTOMOTIVE |
| EKT | INDEPENDENT PLANT |

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APP
Key    MRC          Mode Code    Requirements

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NOTE FOR MRC ABJL: FOR APPLICABILITY KEY AK, IF REPLY CODE EKT IS
ENTERED FOR MRC CHXL, REPLY TO MRC ABJL.

AD*, AE*, AF*, AK* (See Note Above)

        ABJL        B            WATTAGE RATING IN WATTS

        Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME
        OR PROVIDE, MEASURED IN WATTS.

        Reply Instructions: Enter the numeric value. (e.g., ABJLB1500.0*)

AA*, AB*, AC*, AG*, AH*, AJ*, AK*, AL*

        AKYN        G            FURNISHED ITEMS AND QUANTITY

        Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH
        THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

        Reply Instructions: Enter the reply in clear text. (e.g., AKYNGAUXILIARY HOIST
        1*)

**SECTION: B**
APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|

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ALL

    NAME        D               ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10232*)

ALL

    CGTX        J              MAXIMUM LIFTING CAPACITY

Definition: THE MAXIMUM WEIGHT THAT THE ITEM IS DESIGNED TO LIFT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CGTXJAS2000.0*; CGTXJAJ2000.0*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

    APGF        D               DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDEKY*)

| REPLY CODE | REPLY (AK54) |
|------------|--------------|
| EKY | BOOM |
| EKZ | TRESTLE |

NOTE FOR MRCS CHXM, ASZH, CHXN, AND CHXP: IF REPLY CODE EKY IS ENTERED FOR MRC APGF, REPLY TO MRCS CHXM, ASZH, AND CHXN. IF REPLY CODE EKZ IS ENTERED FOR MRC APGF, REPLY TO MRC CHXP.

ALL* (See Note Above)

| APP<br>Key | MRC | Mode Code | Requirements |
|---|---|---|---|

CHXM      D      BOOM TYPE

Definition: INDICATES THE TYPE OF BOOM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXMDAFF*)

| REPLY CODE | REPLY (AK54) |
|---|---|
| ELC | NONREVOLVING |
| AFF | REVOLVING |

ALL* (See Note Preceding MRC CHXM)

ASZH      D      BOOM DESIGN

Definition: THE DESIGN OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZHDAY*)

| REPLY CODE | REPLY (AH47) |
|---|---|
| AY | NONTELESCOPING |
| AD | TELESCOPING |

NOTE FOR MRCS ATXS AND ATEM: IF REPLY CODE AD IS ENTERED FOR MRC ASZH, REPLY TO MRCS ATXS AND ATEM.

ALL* (See Note Above)

ATXS      J      RETRACTED LENGTH

Definition: THE MEASUREMENT OF THE LONGEST DIMENSION OF THE ITEM WHEN RETRACTED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATXSJFA5.333*; ATXSJMA5.3*; ATXSJFB4.250$$JFC4.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ATXS)

| ATEM | J | EXTENDED LENGTH |
|------|---|-----------------|

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM WHEN IT IS IN AN EXTENDED POSITION, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATEMJFA8.500*; ATEMJMA7.5*; ATEMJFB7.500$$JFC8.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC CHXM)

| CHXN | J | BOOM OVERHANG LENGTH |
|------|---|----------------------|

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BOOM OVERHANG, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHXNJFA3.500*; CHXNJMA7.7*; CHXNJFB7.750$$JFC8.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

---

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC CHXM)

    CHXP     J     MAXIMUM DISTANCE BETWEEN TRESTLE SUPPORTING MEMBERS

Definition: THE MAXIMUM DISTANCE BETWEEN THE TRESTLE SUPPORTING MEMBERS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHXPJF12.250*; CHXPJM12.5*)

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

ALL

    AGDC     D     LIFT MECHANISM TYPE

Definition: INDICATES THE TYPE OF LIFT MECHANISM INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGDCDAAE*; AGDCDAAB$DAAK*)

| REPLY CODE | REPLY (AD49) |
|---|---|
| AAB | CHAIN HOIST |
| AAC | HYDRAULIC PUMP |
| AAD | HYDRAULIC RAM |
| AAK | TROLLEY W/HOIST |
| AAE | WINCH DRUM |

NOTE FOR MRCS BKXM AND CHXQ: IF REPLY CODE AAE IS ENTERED FOR MRC AGDC, REPLY TO MRCS BKXM AND CHXQ.

ALL* (See Note Above)

41

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
|         | BKXM | A | DRUM QUANTITY |

Definition: THE NUMBER OF DRUM(S) PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BKXMA1*)

ALL* (See Note Preceding MRC BKXM)

| | CHXQ | D | DRUM LEAD TYPE |
|---|------|---|----------------|

Definition: INDICATES THE TYPE OF DRUM LEAD PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXQDBRS*)

| REPLY CODE | REPLY (AK54) |
|------------|--------------|
| BRS | CHAIN |
| BRY | WIRE ROPE |

ALL

| | APHE | D | OPERATION METHOD |
|---|------|---|------------------|

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAAFY*)

| REPLY CODE | REPLY (AC58) |
|------------|--------------|
| AAFY | ELECTRIC MOTOR |
| AAAF | MANUAL |

NOTE FOR MRC ACDC: IF REPLY CODE AAFY IS ENTERED FOR MRC APHE, REPLY TO MRC ACDC.

ALL* (See Note Above)

| | ACDC | D | CURRENT TYPE |
|---|------|---|--------------|

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

APP
Key     MRC             Mode Code       Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*)

| REPLY CODE | REPLY (AB62) |
|---|---|
| B | AC |
| D | AC/DC |
| C | DC |

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: IF REPLY CODE B OR D IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, FREQ, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC ELEC.

ALL* (See Note Above)

ELEC        B               VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB110.0*)

ALL* (See Note Preceding MRC ELEC)

FREQ        B               FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*)

ALL* (See Note Preceding MRC ELEC)

FAAZ        D               PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*)

| REPLY CODE | REPLY (AD02) |
|---|---|
| A | SINGLE |
| E | SINGLE/THREE |
| C | THREE |
| B | TWO |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| ALL | | | |

CHXR      D                  LOAD POSITION LOCKING METHOD

Definition: THE MEANS UTILIZED FOR LOCKING A LOAD IN A FIXED POSITION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXRDCB*; CHXRDCA$$DCB*; CHXRDBY$DBZ*)

| REPLY CODE | REPLY (AE44) |
|------------|--------------|
| A | ANY ACCEPTABLE |
| CT | AUTOMATIC MECHANICAL BRAKE |
| BY | CHECK VALVE |
| BZ | HYDRAULIC ACTION |
| CA | MAGNETIC ACTION |
| CB | MANUAL |
| CC | RATCHET/PAWL |
| CD | SELF-LOCKING WORM |
| CS | SPUR GEAR |

ALL

CHQR      J                  MAXIMUM OVERALL HEIGHT

Definition: THE MAXIMUM DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHQRJF16.583*; CHQRJM16.5*)

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

ALL

ABMK      J                  OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP
Key   MRC         Mode Code     Requirements

---

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g, ABMKJFA8.500*; ABMKJMA3.5*; ABMKJFB3.167$$JFC3.750*)

Table 1

| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CHXS        D          BED FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A BED FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXSDB*)

| REPLY CODE | REPLY (AA49) |
|---|---|
| B | INCLUDED |
| C | NOT INCLUDED |

NOTE FOR MRCS ADJT AND ADJU: IF REPLY CODE B IS ENTERED FOR MRC CHXS, REPLY TO MRCS ADJT AND ADJU.

ALL* (See Note Above)

ADJT        J          INSIDE WIDTH

Definition: AN INSIDE MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJTJFA2.000*; ADJTJMA2.5*; ADJTJFB1.833$$JFC2.000*)

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Table 1
| REPLY CODE | | REPLY (AA05) |
|------------|--|--------------|
| F | | FEET |
| M | | METERS |

Table 2
| REPLY CODE | | REPLY (AC20) |
|------------|--|--------------|
| A | | NOMINAL |
| B | | MINIMUM |
| C | | MAXIMUM |

ALL* (See Note Preceding MRC ADJT)

ADJU        J                INSIDE LENGTH

Definition: A MEASUREMENT OF THE LONGEST INSIDE DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADJUJFA4.208*; ADJUJMA4.5*; ADJUJFB4.000$$JFC4.208*)

Table 1
| REPLY CODE | | REPLY (AA05) |
|------------|--|--------------|
| F | | FEET |
| M | | METERS |

Table 2
| REPLY CODE | | REPLY (AC20) |
|------------|--|--------------|
| A | | NOMINAL |
| B | | MINIMUM |
| C | | MAXIMUM |

ALL

AGBP        J                MAXIMUM LIFT HEIGHT

Definition: THE MAXIMUM HEIGHT THE ITEM IS CAPABLE OF RAISING AN OBJECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AGBPJF10.396*; AGBPJM10.5*)

46

FIIG T
Section Parts

APP
Key     MRC         Mode Code       Requirements

REPLY CODE                REPLY (AA05)
F                         FEET
M                         METERS

**SECTION: C**

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|

ALL

NAME          D                    ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03130*)

ALL

AYXK          J                    MAXIMUM LOAD RATING

Definition: THE MAXIMUM RATED LOAD THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXKJAS67200.0*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

AMKG          D                    POWER UNIT TYPE

Definition: INDICATES THE TYPE OF POWER UNIT INCLUDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMKGDAAD*; AMKGDAAD$$DAAE*)

| REPLY CODE | REPLY (AJ13) |
|------------|--------------|
| ABD | DIESEL ELECTRIC |
| AAD | DIESEL ENGINE |
| ABE | ELECTRIC |
| ABF | GASOLINE ELECTRIC |
| AAE | GASOLINE ENGINE |
| ABG | STEAM ENGINE |

48

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

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*NOTE FOR MRCS CHXX AND AZKJ: IF REPLY CODE ABD, ABE, OR ABF IS ENTERED FOR MRC AMKG, REPLY TO MRCS CHXX AND AZKJ. WHEN ELECTRIC MOTORS OF DIFFERENT CURRENT TYPES ARE INDICATED, USE OR ($) CODING ENTERING REPLIES FOR THE ALTERNATING CURRENT TYPES FIRST.*

ALL* (See Note Above)

| CHXX | A | MOTOR QUANTITY |
|------|---|----------------|

Definition: THE NUMBER OF MOTORS PROVIDED.

*Reply Instructions: Enter the quantity. (e.g., CHXXA2*)*

ALL* (See Note Preceding MRC CHXX)

| AZKJ | D | MOTOR CURRENT TYPE |
|------|---|--------------------|

Definition: INDICATES THE TYPE OF CURRENT REQUIRED TO OPERATE THE MOTOR.

*Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZKJDC*; AZKJDB$DD*)*

| REPLY CODE | REPLY (AB62) |
|------------|--------------|
| B | AC |
| D | AC/DC |
| C | DC |

*NOTE FOR MRCS ELEC, FREQ, AND FAAZ: IF REPLY CODE B OR D IS ENTERED FOR MRC AZKJ, REPLY TO MRCS ELEC, FREQ, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC AZKJ, REPLY TO MRC ELEC. USE OR ($) CODING TO ENTER A REPLY FOR EACH CURRENT TYPE.*

ALL* (See Note Above)

| ELEC | B | VOLTAGE IN VOLTS |
|------|---|------------------|

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Definition: THE TOTAL ELECTRIC VOLTAGE.

*Reply Instructions: Enter the numeric value. (e.g., ELECB110.0\*; ELECB28.0$B110.0\*)*

ALL* (See Note Preceding MRC ELEC)

FREQ      B            FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

*Reply Instructions: Enter the numeric value. (e.g., FREQB60.0\*)*

ALL* (See Note Preceding MRC ELEC)

FAAZ      D            PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

*Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA\*; FAAZDA$DB\*)*

| REPLY CODE | REPLY (AD02) |
|------------|--------------|
| A | SINGLE |
| E | SINGLE/THREE |
| C | THREE |
| B | TWO |

ALL

CGWF      J            BOOM OVERALL LENGTH

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Definition: THE LONGEST DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE BOOM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CGWFJFA115.000*; CGWFJMA115.0*; CGWFJFB115.000$$JFC118.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

CGWK     D     BOOM EXTENSION TYPE

Definition: INDICATES THE TYPE OF BOOM EXTENSION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CGWKDBPF*; CGWKDBPD$$DBPE*; CGWKDBPD$DBPF*)

| REPLY CODE | REPLY (AK95) |
|------------|--------------|
| BPD | GOOSENECK |
| BPE | MIDDLE BOOM |
| BPF | STRAIGHT JIB |

ALL

CHXY     J     BOOM LOAD RATING

Definition: THE RATED LOAD THAT THE BOOM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHXYJAS40800.0*)

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

*For multiple ratings use OR ($) Coding. (e.g., CHXYJAS24500.0$JAS90000.0\*)*

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

ASZF     J     BOOM RADIUS AT WHICH RATED

Definition: THE ACTUAL RADIUS OF SWING AT WHICH THE BOOM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASZFJFA20.000\*; ASZFJMA21.0\*)

*For multiple ratings based on two or more radius values, use AND coding ($$) entering in the same sequence as MRC CHXY. (e.g., ASZFJFB60.000$$JFC65.000\*)*

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

ATCY     A     HOIST DRUM QUANTITY

Definition: THE NUMBER OF HOIST DRUMS PROVIDED.

52

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Reply Instructions: Enter the quantity. (e.g., ATCYA2*)

ALL

AAXX      D              MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDBP*: AAXXDRP$DRQ*)

| REPLY CODE | REPLY (AA78) |
|---|---|
| RP | FULL GANTRY |
| RQ | PARTIAL GANTRY |
| BP | TOWER |

ALL

BCNX      D              MOUNTING TYPE FOR WHICH DESIGNED

Definition: INDICATES THE TYPE OF MOUNTING FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCNXDBJP*)

| REPLY CODE | REPLY (AM39) |
|---|---|
| BJP | SELF-PROPELLED |
| BEB | STATIONARY |

NOTE FOR MRCS ALKN AND CHXZ: IF REPLY CODE BJP IS ENTERED FOR MRC BCNX, REPLY TO MRCS ALKN AND CHXZ.

ALL* (See Note Above)

ALKN      D              PROPULSION METHOD

Definition: THE MEANS USED TO PROPEL THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALKNDAS*; ALKNDAS$DAT*)

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

---

|  | REPLY CODE | REPLY (AH53) |
|--|------------|--------------|
|  | AS | DIESEL |
|  | AT | ELECTRIC |
|  | AW | STEAM |

ALL* (See Note Preceding MRC ALKN)

CHXZ        D              END TRUCK SWIVEL

Definition: AN INDICATION OF WHETHER OR NOT AN END TRUCK SWIVEL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXZDB*)

|  | REPLY CODE | REPLY (AA49) |
|--|------------|--------------|
|  | B | INCLUDED |
|  | C | NOT INCLUDED |

ALL

CHYB        J              CENTER TO CENTER DISTANCE BETWEEN
                           GANTRY SUPPORTS

Definition: THE CENTER TO CENTER DISTANCE BETWEEN THE GANTRY SUPPORTS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., CHYBJFABJQ38.000*; CHYBJMABJQ38.0*; CHYBJFBBJQ37.500$$JFCBJQ38.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

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Table 3
| REPLY CODE | REPLY (AM39) |
|------------|--------------|
| BJQ | LEGS |
| BJR | RAILS |

ALL*

CHYC    J    DISTANCE FROM BOTTOM OF GANTRY
             BRIDGE TO GROUND LEVEL

Definition: THE DISTANCE FROM THE BOTTOM OF THE GANTRY BRIDGE
TO GROUND LEVEL.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., CHYCJFA25.000*; CHYCJMA25.0*;
CHYCJFB24.000$$JFC25.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CHYD    J    DISTANCE FROM GROUND LEVEL TO BOOM
             PIN CENTER

Definition: THE DISTANCE FROM GROUND LEVEL TO THE CENTER OF THE
BOOM PIN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below,
followed by the numeric value. (e.g., CHYDJFA52.000*; CHYDJMA52.0*;
CHYDJFB52.000$$JFC54.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

APP
Key    MRC        Mode Code     Requirements
_____

Table 2
REPLY CODE              REPLY (AC20)
A                       NOMINAL
B                       MINIMUM
C                       MAXIMUM

ALL*

AKYD       G              ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGHOIST LUFFING 1*)

ALL

CHYF       J              CLEARANCE DISTANCE

Definition: THE CLEARANCE DISTANCE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHYFJFA19.000*; CHYFJMA19.0*; CHYFJFB18.000$$JFC18.500*)

Table 1
REPLY CODE              REPLY (AA05)
F                       FEET
M                       METERS

Table 2
REPLY CODE              REPLY (AC20)
A                       NOMINAL
B                       MINIMUM
C                       MAXIMUM

56

**SECTION: D**

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| ALL | | | |

NAME       D       ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED03231*)

ALL

AYXK       J       MAXIMUM LOAD RATING

Definition: THE MAXIMUM RATED LOAD THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AYXKJAS10000.0*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

AMKG       D       POWER UNIT TYPE

Definition: INDICATES THE TYPE OF POWER UNIT INCLUDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMKGDABE*; AMKGDABE$$DAAE*; AMKGDABE$DAAE*)

| REPLY CODE | REPLY (AJ13) |
|------------|--------------|
| ABE | ELECTRIC |
| AAE | GASOLINE ENGINE |

ALL

ALRE       D       TIRE TYPE

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

---

Definition: INDICATES THE TYPE OF TIRE(S) PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALREDAD*; ALREDAD$$DAB*; ALREDAD$DAB*)

| REPLY CODE | REPLY (AH67) |
|---|---|
| AD | PNEUMATIC |
| AB | SOLID RUBBER |

ALL

| CHXM | D | BOOM TYPE |
|---|---|---|

Definition: INDICATES THE TYPE OF BOOM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHXMDAFF*)

| REPLY CODE | REPLY (AK54) |
|---|---|
| ELC | NONREVOLVING |
| AFF | REVOLVING |

ALL

| ASZH | D | BOOM DESIGN |
|---|---|---|

Definition: THE DESIGN OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZHDAY*; ASZHDAY$$DAD*; ASZHDAY$DAD*)

| REPLY CODE | REPLY (AH47) |
|---|---|
| AY | NONTELESCOPING |
| AD | TELESCOPING |

NOTE FOR MRCS ATXS AND ATEM: IF REPLY CODE AD IS ENTERED FOR MRC ASZH, REPLY TO MRCS ATXS AND ATEM.

ALL* (See Note Above)

| ATXS | J | RETRACTED LENGTH |
|---|---|---|

58

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

---

Definition: THE MEASUREMENT OF THE LONGEST DIMENSION OF THE ITEM WHEN RETRACTED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATXSJFA13.000*; ATXSJMA12.0*; ATXSJFB11.167$$JFC11.500*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ATXS)

ATEM          J                    EXTENDED LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM WHEN IT IS IN AN EXTENDED POSITION, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATEMJFA18.000*; ATEMJMA18.5*; ATEMJFB19.000$$JFC20.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

CHYG          G                    BOOM CAPACITY AT SPECIFIED RADIUS

59

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Definition: THE WEIGHT THE BOOM IS DESIGNED TO ACCOMMODATE AT A SPECIFIED RADIUS.

Reply Instructions: Enter the reply in clear text. (e.g., CHYGG5000 POUNDS AT 5 FEET*)

ALL*

| | AKYD | G | ACCESSORY COMPONENTS AND QUANTITY |
|---|------|---|-----------------------------------|

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGBALLAST BOXES 2*)

**SECTION: E**

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|

ALL

NAME    D    ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED06330*)

ALL

APGF    D    DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAFF*)

| REPLY CODE | REPLY (AK54) |
|------------|--------------|
| ELC | NONREVOLVING |
| AFF | REVOLVING |

ALL

AAXX    D    MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDRR*; AAXXDRR$DRT*)

| REPLY CODE | REPLY (AA78) |
|------------|--------------|
| RR | CENTER |
| RS | END |
| RT | SIDE |

ALL

ASZH    D    BOOM DESIGN

Definition: THE DESIGN OF THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASZHDBB*; ASZHDBB$DAD*)

| REPLY CODE | REPLY (AH47) |
|---|---|
| BB | FOLDING |
| AC | RIGID |
| AD | TELESCOPING |

NOTE FOR MRCS ABHP AND ATEM: IF REPLY CODE AC IS ENTERED FOR MRC ASZH, REPLY TO MRC ABHP. IF REPLY CODE BB OR AD IS ENTERED FOR MRC ASZH, REPLY TO MRC ATEM.

ALL* (See Note Above)

ABHP       J            OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJFA18.000*; ABHPJMA35.0*; ABHPJFB34.000$$JFC35.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|---|---|
| F | FEET |
| M | METERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL* (See Note Preceding MRC ABHP)

ATEM       J            EXTENDED LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM WHEN IT IS IN AN EXTENDED POSITION, IN DISTINCTION FROM WIDTH.

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATEMJFA20.000*; ATEMJMA20.0*; ATEMJFB18.000$$JFC19.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| F | FEET |
| M | METERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL

| | | | |
|---|---|---|---|
| | CHYH | J | BOOM MAXIMUM LIFTING CAPACITY |

Definition: THE MAXIMUM WEIGHT THE BOOM IS DESIGNED TO LIFT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHYHJAS5000.0*)

| REPLY CODE | REPLY (AG67) |
|------------|--------------|
| AJ | KILOGRAMS |
| AS | POUNDS |

ALL

| | | | |
|---|---|---|---|
| | CHYJ | D | BOOM OPERATION METHOD |

Definition: THE MEANS USED TO OPERATE THE BOOM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CHYJDAADH*)

| REPLY CODE | REPLY (AC58) |
|------------|--------------|
| AADH | CABLE |
| AABF | HYDRAULIC |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

ALL*

CHYK        J              BOOM DRUM DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BOOM DRUM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHYKJAA8.000*; CHYKJLA8.0*; CHYKJAB8.000$$JAC8.500*)

Table 1
| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

CHYL        J              BOOM DRUM LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BOOM DRUM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CHYLJAA9.000*; CHYLJLA6.5*; CHYLJAB5.750$$JAC6.000*)

Table 1
| REPLY CODE | REPLY (AA05) |
|---|---|
| A | INCHES |
| L | MILLIMETERS |

Table 2
| REPLY CODE | REPLY (AC20) |
|---|---|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

ALL*

CHYM   G     BOOM DRUM CABLE LENGTH AND SIZE ACCOMMODATED

Definition: THE LENGTH OF A CABLE OF A GIVEN SIZE THAT THE BOOM DRUM WILL ACCOMMODATE.

Reply Instructions: Enter the reply in clear text. (e.g., CHYMG110 FT OF 5/8 IN.*)

ALL*

CJGN   J     LOAD DRUM DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR LOAD DRUM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CJGNJAA8.000*; CJGNJLA8.5*; CJGNJAB8.000$$JAC8.500*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

CJGP   J     LOAD DRUM LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE LOAD DRUM, IN DISTINCTION FROM WIDTH.

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CJGPJAA9.000*; CJGPJLA9.5*; CJGPJAB5.750$$JAC6.000*)

Table 1

| REPLY CODE | REPLY (AA05) |
|------------|--------------|
| A | INCHES |
| L | MILLIMETERS |

Table 2

| REPLY CODE | REPLY (AC20) |
|------------|--------------|
| A | NOMINAL |
| B | MINIMUM |
| C | MAXIMUM |

ALL*

| CJGQ | G | LOAD DRUM CABLE LENGTH AND SIZE ACCOMMODATED |
|------|---|---------------------------------------------|

Definition: THE LENGTH OF A CABLE OF A GIVEN SIZE THAT THE LOAD DRUM WILL ACCOMMODATE.

Reply Instructions: Enter the reply in clear text. (e.g., CJGQG575 FT OF 5/8 IN.*)

ALL*

| AKYD | G | ACCESSORY COMPONENTS AND QUANTITY |
|------|---|-----------------------------------|

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGLOAD PLATFORM 1*)

## SECTION: STANDARD

APP
Key   MRC      Mode Code   Requirements

---

ALL *

FEAT      G         SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL *

ZZZK      J         SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

| REPLY CODE | REPLY (AN62) |
|---|---|
| S | GOVERNMENT SPECIFICATION |
| T | GOVERNMENT STANDARD |
| D | MANUFACTURERS SOURCE CONTROL |

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|
| | | R | MANUFACTURERS SPECIFICATION |
| | | N | MANUFACTURERS SPECIFICATION CONTROL |
| | | M | MANUFACTURERS STANDARD |
| | | A | PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION |
| | | P | PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD |

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT          J                    NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL *

ZZZW          G                    DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL *

ZZZX          G                    DEPARTURE FROM CITED DESIGNATOR

| APP<br>Key | MRC | Mode Code | Requirements |
|---|---|---|---|

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL *

ZZZY     G     REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL *

CRTL     A     CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL * (See Note Above)

PRPY     A     PROPRIETARY CHARACTERISTICS

APP
Key   MRC      Mode Code   Requirements

---

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL *

ELRN      G           EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code. (e.g., ELRNGANN112036BIL060557LEN0313605UZ062365*)

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL *

ELCD      D           EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

| REPLY CODE | REPLY (AN58) |
|---|---|
| A | ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD |

**SECTION: SUPPTECH**

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|

ALL

CBME             J                    CUBIC MEASURE

Definition: A MEASURE OF VOLUME TAKEN BY MULTIPLYING THE
LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN
CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by
the numeric value. (e.g., CBMEJCF1.0219*)

| REPLY CODE | REPLY (AN67) |
|------------|--------------|
| CF | CUBIC FEET |
| CM | CUBIC METERS |

ALL

PKWT             J                    UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY
PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by
the numeric value. (e.g., PKWTJLB2.50*)

| REPLY CODE | REPLY (AN75) |
|------------|--------------|
| KG | KILOGRAMS |
| LB | POUNDS |

ALL

SUPP             G                    SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED
IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL
INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN
ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN
UPPER SUPPORT FOR MTG DURING SHIPMENT*)

| APP Key | MRC | Mode Code | Requirements |
|---------|-----|-----------|--------------|
| ALL | | | |

FCLS          A                FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD          G                FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN          A                TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE          G                RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

| APP Key | MRC | Mode Code | Requirements |
|---|---|---|---|

**ALL**

| | RDAL | G | REFERENCE DATA AND LITERATURE |

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

**ALL**

| | NTRD | A | ENTRY DATE |

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

**ALL**

| | ZZZV | G | FSC APPLICATION DATA |

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM,GASOLINE ENGINE, NONAIRCRAFT*)

**ALL**

| | AGAV | G | END ITEM IDENTIFICATION |

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

APP
Key    MRC              Mode Code       Requirements

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AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

**Reply Tables**

Table 1 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

| REPLY CODE | REPLY (AD08) |
|---|---|
| AL | ALLOY |
| AN | ANNEX |
| AP | APPENDIX |
| AC | APPLICABILITY CLASS |
| AR | ARRANGEMENT |
| AS | ASSEMBLY |
| AB | ASSORTMENT |
| BX | BOX |
| CY | CAPACITY |
| CA | CASE |
| CT | CATEGORY |
| CL | CLASS |
| CE | CODE |
| CR | COLOR |
| CC | COMBINATION CODE |
| CN | COMPONENT |
| CP | COMPOSITION |
| CM | COMPOUND |
| CD | CONDITION |
| CS | CONSTRUCTION |
| DE | DESIGN |
| DG | DESIGNATOR |
| DW | DRAWING NUMBER |
| EG | EDGE |
| EN | END |
| FY | FAMILY |
| FG | FIGURE |
| FN | FINISH |
| FM | FORM |
| FA | FORMULA |
| GR | GRADE |
| GP | GROUP |
| NS | INSERT |
| TM | ITEM |
| KD | KIND |
| KT | KIT |
| LG | LENGTH |
| LT | LIMIT |
| MK | MARK |
| ML | MATERIAL |
| MH | MESH |
| ME | METHOD |
| MD | MODEL |

| REPLY CODE | REPLY (AD08) |
|---|---|
| MT | MOUNTING |
| NR | NUMBER |
| PT | PART |
| PN | PATTERN |
| PC | PHYSICAL CONDITION |
| PS | PIECE |
| PL | PLAN |
| PR | POINT |
| QA | QUALITY |
| RN | RANGE |
| RT | RATING |
| RF | REFERENCE NUMBER |
| SC | SCHEDULE |
| SB | SECTION |
| SL | SELECTION |
| SE | SERIES |
| SV | SERVICE |
| SX | SET |
| SA | SHADE |
| SH | SHAPE |
| SG | SHEET |
| SZ | SIZE |
| PZ | SPECIES |
| SQ | SPECIFICATION SHEET |
| SD | SPEED |
| ST | STYLE |
| SS | SUBCLASS |
| SF | SUBFORM |
| SP | SUBTYPE |
| SN | SURFACE CONDITION |
| SY | SYMBOL |
| SM | SYSTEM |
| TB | TABLE |
| TN | TANNAGE |
| TP | TEMPER |
| TX | TEXTURE |
| TK | THICKNESS |
| TT | TREATMENT |
| TR | TRIM |
| TY | TYPE |
| YN | UNIT |
| VA | VARIETY |
| WT | WEIGHT |
| WD | WIDTH |

# Reference Drawing Groups

REFERENCE DRAWING GROUP A

WHEEL ARRANGEMENTS

(No Requirements)

**1**

**SINGLE WHEEL
SINGLE AXLE
AT CENTER**

**2**

**SINGLE WHEELS
SINGLE AXLE
OFF CENTER**

**3**

**SINGLE WHEELS
SINGLE AXLE
AT END**

**4**

**SINGLE WHEELS
TANDEM SINGLE
AXLES AT CENTER**

**5**

**SINGLE WHEELS
TANDEM SINGLE
AXLES AT END**

**6**

**SINGLE WHEELS
SINGLE AXLE
EACH**

**7**

**SINGLE WHEELS
SINGLE AXLE
ONE END SINGLE
AXLE DOLLY SET
OPPOSITE END**

**8**

**SINGLE WHEELS
TANDEM SINGLE
AXLES ONE END
SINGLE AXLE
OPPOSITE END**

**9**

**SINGLE WHEELS
TRIPLE SINGLE
AXLE ONE END**

**10** SINGLE WHEELS, SINGLE AXLES, ONE EACH END AND CENTER
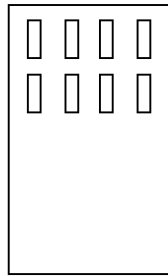
**11** SINGLE WHEELS, TANDEM IN-LINE AXLE, LOWBOY TYPE ONE END
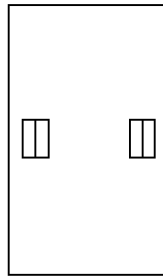
**12** DUAL WHEELS, SINGLE AXLE AT CENTER
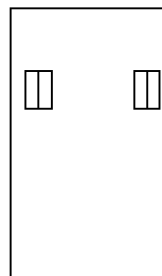
**13** DUAL WHEELS, SINGLE AXLE, OFF CENTER
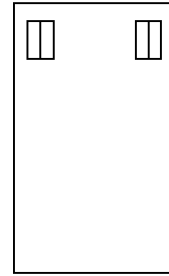
**14** DUAL WHEELS, SINGLE AXLE ONE END
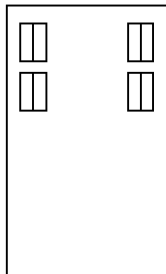
**15** DUAL WHEELS, TANDEM SINGLE AXLES, ONE END
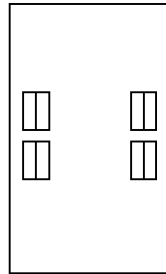
**16** DUAL WHEELS, TANDEM SINGLE AXLES AT CENTER
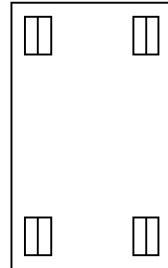
**17** DUAL WHEELS, SINGLE AXLE AT EACH END
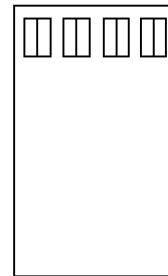
**18** DUAL WHEELS IN-LINE SINGLE AXLES, LOWBOY TYPE ONE END
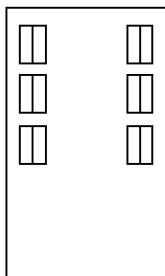
**19** DUAL WHEELS, TRIPLE SINGLE AXLES ONE END
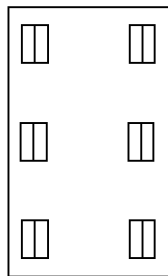
**20** DUAL WHEELS, SINGLE AXLES, ONE EACH END AND CENTER
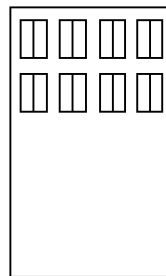
**21** DUAL WHEELS, TANDEM IN-LINE AXLES, LOWBOY TYPE, ONE END

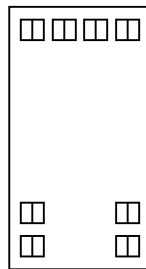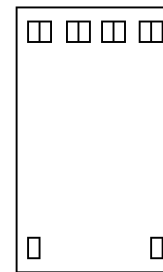**22** DUAL WHEELS, IN-LINE SINGLE AXLES, LOWBOY TYPE ONE END, DUAL WHEELS, SINGLE AXLE OPPOSITE END
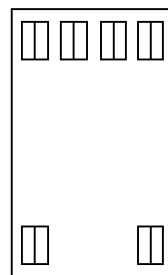
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**23**
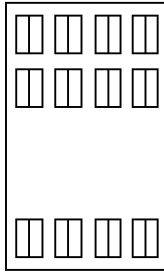
DUAL WHEELS, TANDEM
IN-LINE AXLES, LOWBOY TYPE
ONE END, DUAL WHEELS, IN-LINE
SINGLE AXLES LOWBOY TYPE
OPPOSITE END

**24**
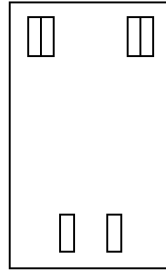
DUAL WHEELS, SINGLE
AXLE ONE END, SINGLE
WHEELS, SINGLE AXLE,
DOLLY-TYPE OPPOSITE END

**25**
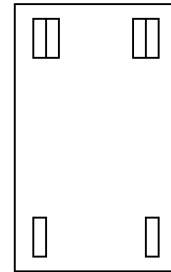
DUAL WHEELS, SINGLE
AXLE ONE END, SINGLE
WHEELS, SINGLE AXLE
OPPOSITE END

**26**
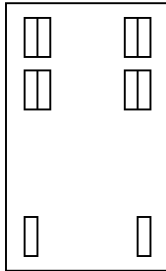
DUAL WHEELS, TANDEM
SINGLE AXLES ONE END,
SINGLE WHEELS, SINGLE
AXLE OPPOSITE END

**27**
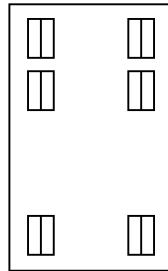
DUAL WHEELS, TANDEM
SINGLE AXLES ONE END,
DUAL WHEELS, SINGLE
AXLE OPPOSITE END

**28**
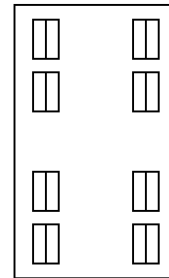
DUAL WHEELS, TANDEM
SINGLE AXLES, EACH END

**29**
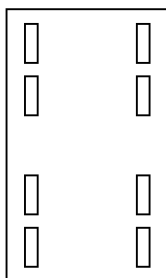
SINGLE WHEELS,
TANDEM SINGLE
AXLES, EACH END

**30**
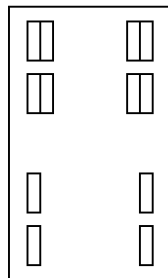
DUAL WHEELS, TANDEM
SINGLE AXLES ONE END,
SINGLE WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**31**
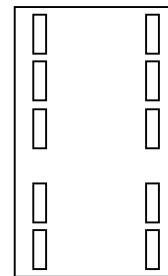
SINGLE WHEELS, TRIPLE
SINGLE AXLES ONE END,
SINGLE WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

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**32**
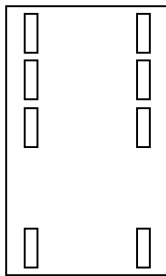
SINGLE WHEELS, TRIPLE
SINGLE AXLES ONE END,
SINGLE WHEELS, SINGLE
AXLE OPPOSITE END

**33**
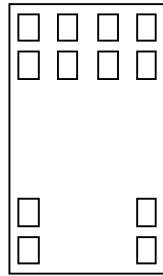
SINGLE WHEELS, TANDEM
IN-LINE SINGLE AXLES,
LOWBOY TYPE ONE END,
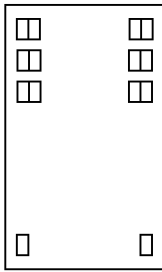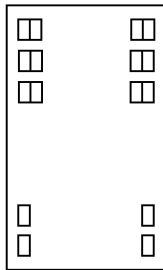SINGLE WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**34**
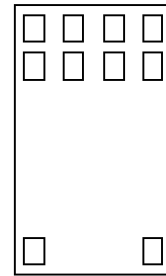
SINGLE WHEELS, TANDEM
IN-LINE SINGLE AXLES
LOWBOY TYPE ONE END,
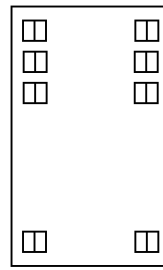SINGLE WHEELS, SINGLE
AXLE, OPPOSITE END

**35**

SINGLE WHEELS, IN-LINE
SINGLE AXLE LOWBOY
TYPE, ONE END

**36**
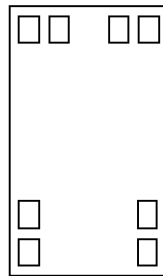
SINGLE WHEELS, IN-LINE
SINGLE AXLE LOWBOY
TYPE, ONE END SINGLE
WHEEL, TANDEM SINGLE
AXLES OPPOSITE END

**37**

SINGLE WHEELS, IN-LINE
SINGLE AXLES, LOWBOY
TYPE, ONE END, SINGLE
WHEELS, SINGLE AXLE
OPPOSITE END

**38**
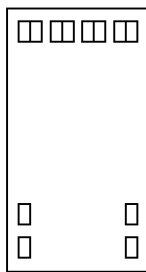
DUAL WHEELS, TANDEM
IN-LINE SINGLE AXLES,
LOWBOY TYPE ONE END,
SINGLE WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**39**

DUAL WHEELS, TANDEM
IN-LINE SINGLE AXLES,
LOWBOY TYPE ONE END,
DUAL WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**40**

DUAL WHEELS, TANDEM
IN-LINE, SINGLE AXLES
LOWBOY TYPE, ONE END
SINGLE WHEELS, SINGLE
AXLE, OPPOSITE END

**41**

DUAL WHEELS, TRIPLE
SINGLE AXLES ONE END,
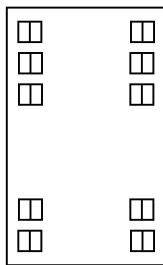SINGLE WHEELS, SINGLE
AXLE OPPOSITE END

**42**

DUAL WHEELS, TRIPLE
SINGLE AXLES ONE END,
SINGLE WHEELS, TANDEM
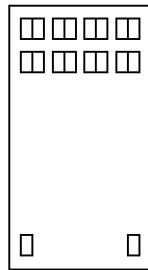SINGLE AXLES OPPOSITE END

**43**

DUAL WHEELS, TRIPLE
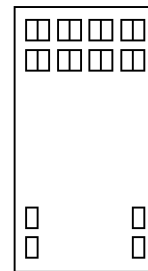SINGLE AXLES ONE END,
DUAL WHEELS SINGLE
AXLE OPPOSITE END

**44**

DUAL WHEELS, TRIPLE
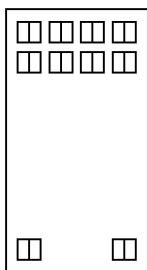SINGLE AXLES, ONE END,
DUAL WHEELS TANDEM
SINGLE AXLES OPPOSITE END

**45**

DUAL WHEELS, TANDEM
IN-LINE, SINGLE AXLES,
LOWBOY TYPE ONE END,
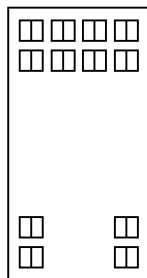SINGLE WHEELS, SINGLE
AXLES OPPOSITE END

**46**

DUAL WHEELS, TANDEM
IN-LINE SINGLE AXLES
LOWBOY TYPE ONE END,
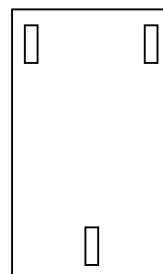SINGLE WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**47**

DUAL WHEELS, TANDEM
IN-LINE SINGLE AXLES
LOWBOY TYPE ONE END,
DUAL WHEELS, SINGLE
AXLE OPPOSITE END

**48**

DUAL WHEELS, TANDEM
IN-LINE SINGLE AXLES,
LOWBOY TYPE ONE END,
DUAL WHEELS, TANDEM
SINGLE AXLES OPPOSITE END

**49**

SINGLE WHEELS, SINGLE
AXLE ONE END, SINGLE
WHEEL, SINGLE AXLE
TRICYCLE TYPE OPPOSITE END

# Technical Data Tables

**No table of contents entries found.**

# FIIG Change List

FIIG Change list, Effective May 7, 2010

This change replaced with ISAC or and/or coding.